

PROJECT NUMBER: 2107
PROJECT TITLE: Filter Research & Development
PROJECT LEADER: C. J. Campbell
PERIOD COVERED: July, 1988

I. FILTER RESEARCH & DEVELOPMENT GROUP:

- A. Objective:** Consolidate efforts on filter research and development into one group and actively pursue the development of improved filter systems.
- B. Status:** A new group has been formed to take on the responsibility of filter work. The initial organization of this group is complete and programs are being defined and planned.
- C. Plans:** Define specific programs and establish goals.

II. CELLULOSE ACETATE WEB:

- A. Objective:** Explore the potential advantages of CA web for use as a high efficiency filter material.
- B. Status:** Celanese has demonstrated their capability of making plugs from CA web material supplied by Dexter. We have requested specific samples for evaluation and expect to receive these in mid August.
- C. Plans:** Evaluate samples for efficiency and subjectives.

III. TOW VENDOR R&D COORDINATION:

- A. Objective:** Coordinate specific requests for R&D work by Eastman and Celanese.
- B. Status:** Eastman is continuing to obtain smoking data on a variety of filter configurations for Bill Dwyer's use in developing an improved smoking model. Eastman has also provided us with samples of very low denier plugs which may provide improved efficiency.

Celanese has begun some limited lab work on pre-loading tow with menthol prior to baling. They have submitted an exclusivity agreement on this subject for our consideration.

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